EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	567	548/152.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/20 18:30
L2	340	548/178.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/20 18:30
L3	1235	548/217.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/20 18:30
L9	148	504/267.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/20 18:32
L10	312	504/270.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/20 18:33
L11	2091	l1 or l2 or l3 or l9 or l10	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/20 18:33
L12	333	l11 and (insect or insecticide or pesticide or pest pesticidal)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/11/20 18:33

N,N1
O,O0-1
S,S0-1
C,C7

L7 STRUCTURE UPLOADED

Broadest Search

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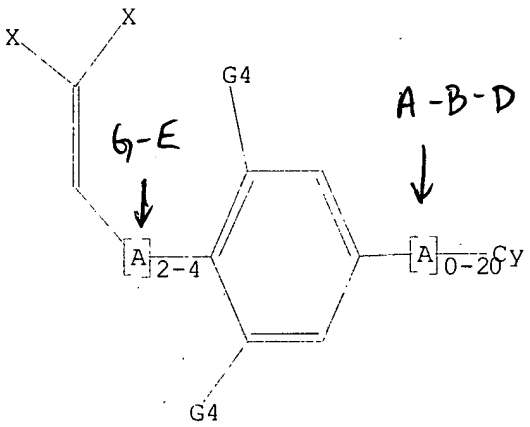
L7 HAS NO ANSWERS
L7 STR



G1 O,S,CH2

G2

G3 O,CH2

G4 H,X,Ak

G5 O,S,N

G6 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s l7 full
FULL SEARCH INITIATED 17:03:07 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 19187 TO ITERATE

100.0% PROCESSED 19187 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

L8 3 SEA SSS FUL L7

=> fil caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	673.92	674.13

FILE 'CAPLUS' ENTERED AT 17:03:14 ON 20 NOV 2006
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FILE COVERS 1907 - 20 Nov 2006 VOL 145 ISS 22
FILE LAST UPDATED: 19 Nov 2006 (20061119/ED)

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http://www.cas.org/infopolicy.html

=> s l8
L9 1 L8

=> d ibib

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1996:457765 CAPLUS
DOCUMENT NUMBER: 125:114466
TITLE: Preparation of dihalopropene insecticides and acaricides
INVENTOR(S): Sakamoto, Noriyasu; Matsuo, Sanshiro; Suzuki, Masaya; Hirose, Taro; Tsushima, Kazunori; Umeda, Kimitoshi
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 218 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9611909	A1	19960425	WO 1995-JP2080	19951012
W: AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2202495	AA	19960425	CA 1995-2202495	19951012
AU 9536728	A1	19960506	AU 1995-36728	19951012
AU 692930	B2	19980618		
EP 785923	A1	19970730	EP 1995-934276	19951012
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CN 1169147	A	19971231	CN 1995-196682	19951012
CN 1088061	B	20020724		
HU 77014	A2	19980302	HU 1997-2014	19951012
BR 9509315	A	19980526	BR 1995-9315	19951012
AT 191477	E	20000415	AT 1995-934276	19951012
ES 2145301	T3	20000701	ES 1995-934276	19951012
IL 130672	A1	20000716	IL 1995-130672	19951012
IL 130674	A1	20000716	IL 1995-130674	19951012
IL 115597	A1	20000726	IL 1995-115597	19951012
IL 130673	A1	20000726	IL 1995-130673	19951012
RU 2158260	C2	20001027	RU 1997-107997	19951012
CN 1654455	A	20050817	CN 2005-10054414	19951012
ZA 9508652	A	19960514	ZA 1995-8652	19951013
JP 09151172	A2	19970610	JP 1995-265986	19951013
JP 3106928	B2	20001106		
EG 21672	A	20020227	EG 1995-854	19951014
US 5922880	A	19990713	US 1997-809865	19970520
US 6071861	A	20000606	US 1998-203362	19981202
US 6268313	B1	20010731	US 2000-521119	20000307
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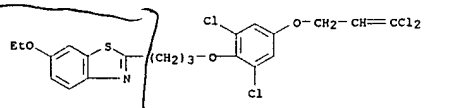
JP 2000355582	A2	20001226	JP 2000-161945	20000531
JP 3835125	B2	20061018		
CN 1218633	A	20011024	CN 2001-116628	20010412
US 6376428	B1	20020423	US 2001-864227	20010525
US 2003073847	A1	20030417	US 2002-86888	20020304

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

US 6589914	B2	20030708	
PRIORITY APPLN. INFO.:		JP 1994-249296	A 19941014
		JP 1995-91187	A 19950417
		JP 1995-247922	A 19950926
		IL 1995-115597	A3 19951012
		WO 1995-JP2080	W 19951012
		JP 1995-265986	A3 19951013
		US 1997-809865	B3 19970520
		US 1998-203362	A3 19981202
		US 2000-521119	A3 20000307
		CN 2001-116628	A3 20010412
		US 2001-864227	A3 20010525

OTHER SOURCE(S): MARPAT 125:114466

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
IT 179102-08-0P 179102-09-1P 179102-16-0P
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of dihalopropene insecticides and acaricides)
RN 179102-08-0 CAPLUS
CN Benzothiazole, 2-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propyl]-6-ethoxy- (9CI) (CA INDEX NAME)



M = S G = CH_2 E = O A = O B = $(CH_2)_3$

RN 179102-09-1 CAPLUS
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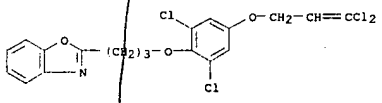
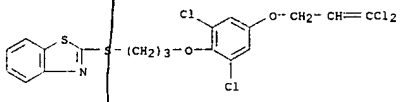


M = O

RN 179102-16-0 CAPLUS
CN Benzothiazole, 2-[[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propyl]thio]- (9CI) (CA INDEX NAME)

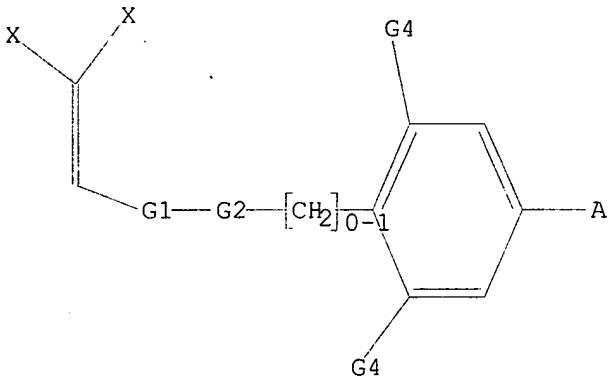


M = S D = S

Attached thru het. ring moiety of poly-cyclo ring

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



sub - structure search

G1 O,S,CH2

G2 O,S,CH2,N

G3 O,CH2

G4 H,X,Ak

G5 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full
FULL SEARCH INITIATED 15:21:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 27925 TO ITERATE

100.0% PROCESSED 27925 ITERATIONS 2774 ANSWERS
SEARCH TIME: 00.00.01

L2 2774 SEA SSS FUL L1

=>
Uploading C:\Program Files\Stnexp\Queries\10510331\2.str

G1:O,S,CH2

G2:O,S,CH2,N

G3:O,CH2

G4:H,X,Ak

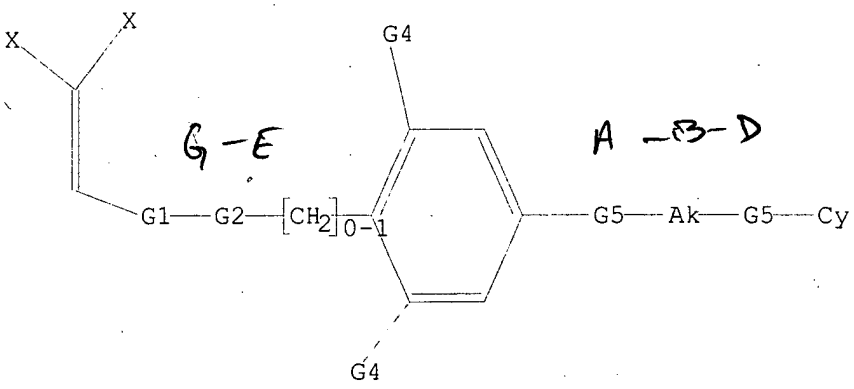
G5:O,S,N

G6:O,S

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 7:CLASS 9:CLASS 10:Atom 11:Atom
12:Atom 13:Atom 14:Atom 15:Atom 20:CLASS 21:CLASS 25:CLASS 26:CLASS
27:CLASS 28:Any
Generic attributes :
28:
Saturation : Unsaturated
Number of Hetero Atoms : 2 or more
Type of Ring System : Polycyclic } Cy

L10 STRUCTURE UPLOADED

=> d
L10 HAS NO ANSWERS
L10 STR



G1 O,S,CH2

G2 O,S,CH2,N

G3 O,CH2

G4 H,X,Ak

G5 O,S,N

G6 O,S

Structure attributes must be viewed using STN Express query preparation.

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FULL SCREEN SEARCH COMPLETED -    17771 TO ITERATE

100.0% PROCESSED    17771 ITERATIONS                                3 ANSWERS
SEARCH TIME: 00.00.01

L11           3 SEA SSS FUL L10

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FULL SUBSET SEARCH INITIATED 15:35:58 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED -     2754 TO ITERATE

100.0% PROCESSED     2754 ITERATIONS                                3 ANSWERS
SEARCH TIME: 00.00.01

L12           3 SEA SUB=L2 SSS FUL L10

=> fil caplus
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                 462.20     462.41

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FILE COVERS 1907 - 20 Nov 2006  VOL 145 ISS 22
FILE LAST UPDATED: 19 Nov 2006  (20061119/ED)

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http://www.cas.org/infopolicy.html

=> s l12
L13           2 L12

=> d ibib abs hitstr 1-2
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L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:964833 CAPLUS
DOCUMENT NUMBER: 141:410815
TITLE: Preparation of (dihalopropenyl) phenylalkyl substituted dihydrobenzofuran and dihydrobenzopyran derivatives as insecticides
INVENTOR(S): Theodoridis, George; Barron, Edward J.; Suarez, Dominic P.; Zhang, Y. Larry; Ding, Ping; Roush, David M.; Donovan, Stephen F.; Zawacki, Frank J.; Yeager, Walter H.; Lyga, John W.; Cohen, Daniel H.
PATENT ASSIGNEE(S): Fmc Corporation, USA
SOURCE: U.S. Pat. Appl. Publ., 28 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004224994	A1	20041111	US 2004-832624	20040427
US 6987194	B2	20060117		
AU 2004236195	A1	20041118	AU 2004-236195	20040427
AU 2004237745	A1	20041118	AU 2004-237745	20040427
CA 2523085	AA	20041118	CA 2004-2523085	20040427
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WO 2004098283	A2	20041118	WO 2004-US12886	20040427
WO 2004098283	A3	20050407		
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EP 1620401	A2	20060201	EP 2004-760588	20040427

L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
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AU 2004236201	A1	20041118	AU 2004-236201 20040428
AU 2004237752	A1	20041118	AU 2004-237752 20040428
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US 2006247283	A1	20061102	US 2005-554347 20051024
US 2006094776	A1	20060504	US 2005-292023 20051201
PRIORITY APPLN. INFO.:			US 2003-466674P P 20030430

OLDEST 4/30/03

L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

		US 2004-832624	A3 20040427
		WO 2004-US12886	W 20040427
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		WO 2004-US13014	W 20040428
		WO 2004-US13023	W 20040428

OTHER SOURCE(S): MARPAT 141:410815
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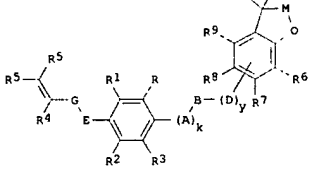
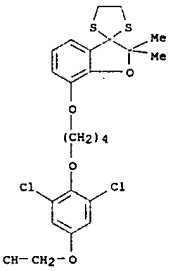


I

AB The title compds. (I) [R, R3 = H, halogen, HO, alkyl, cycloalkyl, alkenyl, alkynyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfonyl, haloalkylsulfonyl, cyano, nitro, each (un)substituted NH2, etc.; R1, R2 = H, halogen, alkyl; R4 = H; R5 = halogen; E = CH2, O, S, (un)substituted NH; G = O, S, CH2O*, (CH2)n (where the asterisk denotes attachment to E; n = 1, 2; provided that E and G are not simultaneously O or S); x = 0, 1; when x = 1, A = O, S(O)p and (un)substituted NH (where p = 0, 1, 2); B = (un)substituted *-(CH2)q-(CH2)r-(CH2)s-Lt-(CH2)u-(CH2)v-(CH2)w- (where the asterisk denotes attachment at A; q, r, s, u, v, w = 0, 1, 2; t = 0, 1; when t = 1, L = CH:CH; O, S(O)p; OS(O)2, S(O)2O, (un)substituted NH, NHSO2, or NHCONH; Si(CH3)2, CO, OC(O), NHCO; ON:CH, etc.); y = 0, 1; when y = 1, D = O, S(O)p, (un)substituted NH (wherein p = 0-2); R6-R9 = H, halogen, alkyl, cycloalkyl, alkenyl, alkynyl, haloalkyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfonyl, haloalkylsulfonyl, cyano, nitro, aryl, etc; R10, R11 = independently selected from hydrogen, halogen, hydroxy, alkyl, alkoxy, or R10 and R11 taken together are O forming CO, OCH2CH2O or SCH2CH2S forming a ketal or a thioketal group, or (un)substituted NOH forming an oxime; M = each (un)substituted *CH2 or *CH2CH2 (where the asterisk indicates attachment to O)], and agriculturally acceptable salts thereof are prepared These compds. provide unexpected insecticidal activity across a spectrum of insect pests combined with desirable phys. properties including improved photostability. In addition, compns. comprising an insecticidally effective amount of at least one compound of formula I and methods of controlling insects by applying said compns. to a locus where insects are present or are expected to be present are also disclosed. Thus, a stirred soln. of 0.44 g (0.0011 mol) 4-[4-[(2,2-dimethyl-2,3-dihydrobenzo[2,3-b]furan-7-yl)oxy]butoxy]-3,5-dichlorophenol, 0.3 g (0.0015 mol) 1,1,1,3-tetrachloropropane, and 0.3 g (0.0022 mol) K2CO3 in 25 mL DMF was heated at 80° for .apprx.18 h to give, after workup and silica gel chromatog., 0.39 g 5-(3,3-dichloroprop-2-enyloxy)-2-[4-[(2,2-dimethyl-2,3-dihydrobenzo[2,3-b]furan-7-yl)oxy]butoxy]-1,3-dichlorobenzene (II). A wheat germ-based artificial diet contg. 0.25 mmol II exhibited 100% mortality and 100% growth inhibition in tobacco budworm [Heliothis virescens (Fabricius)].

IT 791063-77-9P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of (dihalopropenyl) phenylalkyl-substituted dihydrobenzofuran and dihydrobenzopyran derivs. as insecticides)

RN 791063-77-9 CAPLUS
CN Spiro[benzofuran-3(2H),2'-[1,3]dithiolane], 7-[4-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]butoxy]-2,2-dimethyl- (9CI) (CA INDEX NAME)



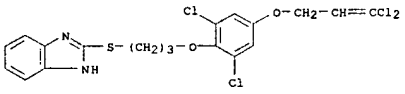
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

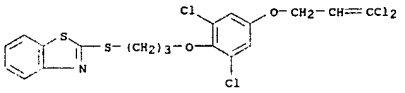
ACCESSION NUMBER: 1996:457765 CAPLUS
DOCUMENT NUMBER: 125:114466
TITLE: Preparation of dihalopropene insecticides and acaricides
INVENTOR(S): Sakamoto, Noriyasu; Matsuo, Sanshiro; Suzuki, Masaya; Hirose, Taro; Tsushima, Kazunori; Umeda, Kimitoshi
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: PCT Int. Appl., 218 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9611909	A1	19960425	WO 1995-JP2080	19951012
W: AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2202495	AA	19960425	CA 1995-2202495	19951012
AU 9536728	A1	19960506	AU 1995-36728	19951012
AU 692930	B2	19980618		
EP 785923	A1	19970730	EP 1995-934276	19951012
EP 785923	B1	20000405		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
CN 1169147	A	19971231	CN 1995-196682	19951012
CN 1088061	B	20020724		
HU 77014	A2	19980302	HU 1997-2014	19951012
BR 9509315	A	19980526	BR 1995-9315	19951012
AT 191477	E	20000415	AT 1995-934276	19951012
ES 2145301	T3	20000701	ES 1995-934276	19951012
IL 130672	A1	20000716	IL 1995-130672	19951012
IL 130674	A1	20000716	IL 1995-130674	19951012
IL 115597	A1	20000726	IL 1995-115597	19951012
IL 130673	A1	20000726	IL 1995-130673	19951012
RU 2158260	C2	20001027	RU 1997-107997	19951012
CN 1654455	A	20050817	CN 2005-10054414	19951012
ZA 9508652	A	19960514	ZA 1995-8652	19951013
JP 09151172	A2	19970610	JP 1995-265986	19951013
JP 3106928	B2	20001106		
EG 21672	A	20020227	EG 1995-854	19951014
US 5922880	A	19990713	US 1997-809865	19970520
US 6071861	A	20000606	US 1998-203362	19981202
US 6268313	B1	20010731	US 2000-521119	20000307
GR 3033311	T3	20000929	GR 2000-400994	20000426
JP 2000355582	A2	20001226	JP 2000-161945	20000531
JP 3835125	B2	20061018		
CN 1318535	A	20011024	CN 2001-116628	20010412
US 6376428	B1	20020423	US 2001-864227	20010525
US 2003073847	A1	20030417	US 2002-86888	20020304

L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 179102-16-0 CAPLUS
CN Benzothiazole, 2-[[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propyl]thio]- (9CI) (CA INDEX NAME)

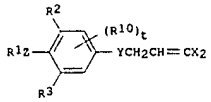


L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

US 6589914 B2 20030708
PRIORITY APPLN. INFO.:

JP 1994-249296	A	19941014
JP 1995-91187	A	19950417
JP 1995-247922	A	19950926
IL 1995-115597	A3	19951012
WO 1995-JP2080	W	19951012
JP 1995-265986	A3	19951013
US 1997-809865	B3	19970520
US 1998-203362	A3	19981202
US 2000-521119	A3	20000307
CN 2001-116628	A3	20010412
US 2001-864227	A3	20010525

OTHER SOURCE(S): MARPAT 125:114466
GI



I

AB The title compds. [I; R1 = (un)substituted alkyl, (un)substituted alkenyl, etc; R2, R3, R10 = halogen, haloalkyl, alkyl; X = Cl, Br; Y = O, S, NH; Z = O, S, (un)substituted NH; t = 0-2], useful for the control of noxious insects, mites, and ticks, are prepared and I-containing formulations presented.
Thus, 4-(3,3-dichloro-2-propenyloxy)-2,6-dichlorophenol was coupled with 2-(2-hydroxyethyl)thiophene in the presence of PPh3 and diisopropyl azodicarboxylate, producing insecticidal 3,5-dichloro-4-[2-(2-thienyl)ethoxy]-1-[3,3-dichloro-2-propenyloxy]benzene in 62% yield.
IT 179102-15-9P 179102-16-0P
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of dihalopropene insecticides and acaricides)
RN 179102-15-9 CAPLUS
CN 1H-Benzimidazole, 2-[[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propyl]thio]- (9CI) (CA INDEX NAME)